

Accessories | ZPure™ M

Pure gas is a critical requirement in gas chromatography, spectroscopy, optics, lithography, and numerous other applications in manufacturing and analytical laboratories. The ZPure™ M filters remove a wide range of contaminants to trace levels. The ZPure M filters are 3800 cc canisters that have the benefits of higher flow rates, larger capacities, and are refillable in most versions.



Features and benefits

- High-efficiency in-line traps with outstanding capacity.
- High quality activated adsorbents for long purifier life and efficient contaminant removal.
- Filter lifetime is dependent on quality of incoming gas, and the flow rate.
- Made from 316 stainless steel.
- 1/4" stainless steel compression or 1/2" VCR fittings.
- Individually leak-tested.

Recommended applications

It can be used to purify inert gases, He, Ar, N₂, and H₂, in larger capacities. It is recommended for any application requiring ultra-pure gas free from contaminants, and has worked well in semi-conductor applications.

Product specifications

	Volume	Function	Capacity (nominal-max)	Outlet concentration at nominal flow rate	Flow rate (nominal-max)	Max pressure	Dimensions
HC	3800 cc	Removes hydrocarbons	327 - 1,060 g*	< 5 ppb	30 - 200 SLPM	150 psi for air, N ₂ or inert gases 80 psi for H ₂ or O ₂	10 cm x 64 cm
H ₂ O		Removes water	369 - 640 g**	< 20 ppb	30 - 200 SLPM		
CO ₂		Removes carbon dioxide	300 - 564 cc***	< 5 ppb	< 20 SLPM		
PolyGas II		Removes water and hydrocarbons	180 - 281 g** H ₂ O 159 - 530 g* HC	< 20 ppb H ₂ O < 5 ppb HC	30 - 100 SLPM		
O ₂ / H ₂ O		Removes oxygen and water	8,100 - 13,658 cc O ₂ 129 - 196 g** H ₂ O	< 5 ppb O ₂ < 20 ppb H ₂ O	14 - 40 SLPM		

* Hydrocarbons (C5 and heavier); capacity based on 0.05 % pentane inlet concentration.

** Water capacity based on an inlet moisture concentration of 200 ppm.

*** Capacity based on an inlet CO₂ concentration of 400 ppm.

For more information about this product visit www.trajanscimed.com or contact techsupport@trajanscimed.com